BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Agriculture Pearson BTEC International Level 3 Diploma in Agriculture Pearson BTEC International Level 3 Extended Diploma in Agriculture
Unit number and title	Unit 18: Crop Handling, Storage and Quality Assurance
Learning aim(s)	**C** Safely operate machinery and equipment used for handling, cleaning, grading and weighing crops
Assignment title	**Crop Handling**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	One of the College governors has asked the class to evaluate the College's crop storage facilities and report back to her so this can be discussed with fellow governors. This assignment develops the research you undertook to determine the requirements of crop storage in the first assignment in order to consider the influence of handling on crop products. This assignment will give you the opportunity to put the 'theory into practice' by undertaking practicals at the College's forage storage facilities and grain store.
Task 1	For Task 1, you will be allocated at least one role associated with the loading of the hay shed, silage clamp, or wrapping big bale silage/haylage. You will be allocated this role by your tutor on a rota system. You must: • undertake a forage crop loading task(s) as allocated, and obtain an assessor's observation. • provide an annotated photographic record of the crop handling undertaken, detailing the machinery and forage storage you worked with for this task. • complete the field record as indicated. To achieve this criterion, the roles (s) you are allocated must be undertaken safely, accurately and meet all assurance scheme and food safety requirements. You will be provided with a field record that you need to complete accurately. Accurate agricultural terminology must be used when completing the field record and the annotated photographs.

Checklist of evidence required	• Assessor's observation. • Accurately completed field record. • Photographic evidence of the forage store and associated machinery you worked with. • Completed field record sheet.
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.P6	Carry out a root, fruit, field vegetable or forage crop handling task to meet quality and safety objectives.
Task 2	You will be allocated at least one role associated with the cleaning or unloading of grain from the corn store. At the end of the session, the grain will be loaded onto a lorry or trailer for despatch, with a completed grain passport. You will be allocated your role by your tutor, on a rota system. You will be presented with the analysis of the forage that you helped store in Task 1, and the analysis of the grain unloaded for Task 2. You will use the analysis provided to review the impact of the handling process on the quality of the final product, for both of the crops you worked with. A representative from the governing body will be visiting the centre, and you will need to prepare a report of crop quality to present to the governor. This report can be either verbal, supported by presentation software, or written, but you do need to indicate to your tutor, which method you intend to use. The report should include your photographs, and should give a general background to the effects of handling on crop quality, relating this to the crops that you handled. (N.B. Assume a broad definition of handling in this context; for instance, the use of grain cleaning equipment, the storage of hay or the compaction and wrapping of silage/haylage.) You must: • undertake a grain handling task(s) as allocated, and obtain an assessor's observation record • provide an annotated photographic record of the grain handling undertaken, detailing the machinery and grain storage you worked with for this task • complete the grain passport. • produce a report reviewing the impact of crop handling on crop quality. To achieve these criteria, the roles(s) you are allocated must be undertaken safely, accurately, and meet all assurance scheme and food safety requirements. You will be provided with a grain passport that you need to complete accurately. Accurate agricultural terminology must be used when completing the passport and the annotated photographs.

Checklist of evidence required	• Assessor's observation record. • Photographic evidence of the grain store and handling equipment.

	• Report evaluating the quality of the two products you worked with during this assessment. • Accurately completed grain passport.
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
C.D3	Evaluate the impact of handling of the crop products on the quality of two final products.
C.M3	Assess the impact of handling of crops on the quality of two contrasting final products.
C.P5	Carry out a combinable crop handling task to meet quality and safety objectives.
Sources of information to support you with this Assignment	**Book** Bell, B. 2016, *Farm Machinery* 6th Edition, Old Pond Publishing, ISBN 9781910456064
Other assessment materials attached to this Assignment Brief	Risk assessments, rota, blank field record and a grain passport. In addition, you will be provided with appropriate PPE as indicated on the risk assessment and at the time of the assessment.